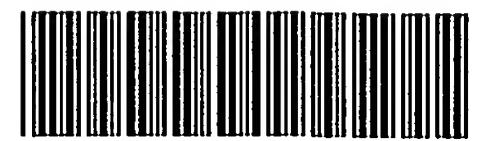# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/009,171A_

Source: _1 Fw/6_

Date Processed by STIC: _4/8/05_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 04/08/2005
PATENT APPLICATION: US/10/009,171A   TIME: 15:24:28

Input Set : A:\10009171.txt
Output Set: N:\CRF4\04082005\J009171A.raw

```
 3 <110> APPLICANT: Andrew LEVER
 4        Jane GREATOREX
 5        Eamon McCANN
 6        Preetha BALAN
 7        Joan THOMAS
 9 <120> TITLE OF INVENTION: SIV-BASED PACKAGING-DEFICIENT VECTORS
11 <130> FILE REFERENCE: 117-372 / N79496C
13 <140> CURRENT APPLICATION NUMBER: US/10/009,171A
14 <141> CURRENT FILING DATE: 2002-04-16
16 <150> PRIOR APPLICATION NUMBER: PCT/GB00/02263
17 <151> PRIOR FILING DATE: 2000-06-09
19 <150> PRIOR APPLICATION NUMBER: GB 9916911.2
20 <151> PRIOR FILING DATE: 1999-07-19
22 <150> PRIOR APPLICATION NUMBER: GB 9913459.5
23 <151> PRIOR FILING DATE: 1999-06-09
25 <160> NUMBER OF SEQ ID NOS: 15
27 <170> SOFTWARE: MS Word
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 85
31 <212> TYPE: DNA
32 <213> ORGANISM: Simian immunodeficiency virus
34 <400> SEQUENCE: 1
35 agaactcctg agtacggcct gagtgaaggc agtaagggcg gcaggaacca accacgacgg 60
36 agtgctccta taaaggcgca ggtcg                                       85
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 50
40 <212> TYPE: DNA
41 <213> ORGANISM: Simian immunodeficiency virus
43 <400> SEQUENCE: 2
44 gaaatagctg tcttgttacc aggaagggat aataagatag attgggagat           50
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 30
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
55 <400> SEQUENCE: 3
56 agtgagaaga actccaccac gacggactgc                                 30
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 27
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
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C--> (line 13 marker)

RAW SEQUENCE LISTING   DATE: 04/08/2005
PATENT APPLICATION: US/10/009,171A   TIME: 15:24:28

Input Set : **A:\10009171.txt**
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65 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
67 <400> SEQUENCE: 4
68 ccaaccacga cggaggcgtg aggagcg   27
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 32
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
79 <400> SEQUENCE: 5
80 cggttgcagg taagtgcaag tgggagatgg gc   32
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 29
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
91 <400> SEQUENCE: 6
92 gcaacacaaa aaaagagtgg gagatgggc   29
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 40
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide
103 <400> SEQUENCE: 7
104 atgggaattc gtttcgtttc tcgcgcccat ctcccactct   40
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 30
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide
115 <400> SEQUENCE: 8
116 taatggatcc agattggcgc ctgaacaggg   30
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 26
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide
127 <400> SEQUENCE: 9
128 ctttgaattc accgagtacc gagttg   26
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 27
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide

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139 <400> SEQUENCE: 10
140 tttgggatcc tacccagaag agtttgg                                    27
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 262
145 <212> TYPE: RNA
146 <213> ORGANISM: Simian immunodeficiency virus
148 <400> SEQUENCE: 11
149 agauuggcgc cugaacaggg acuugaagga gagugagaga cuccugagua cggcugagug   60
150 aaggcaguaa gggcggcagg aaccaaccac gacggagugc uccuauaaag gcgcgggucg  120
151 guaccagacg gcgugaggag cgggagagga agaggccucc gguugcaggu aagugcaaca  180
152 caaaaaaaga aauagcuguc uuuuauccag gaagggauaa uaagauagag ugggagaugg  240
153 gcgcgagaaa cuccgucuug uc                                          262
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 242
158 <212> TYPE: RNA
159 <213> ORGANISM: Artificial sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: mutated SIV
164 <400> SEQUENCE: 12
165 gcaggaaaau cccuagcaga uuggcgccug aacagggacu ugaaggagag ugagagacuc   60
166 caccaaccac gacggagugc uccuauaaag gcgcgggucg guaccagacg gcgugaggag  120
167 cgggagagga agaggccucc gguugcaggu aagugcaaca caaaaaaaga aauagcuguc  180
168 uuuuauccag gaagggauaa uaagauagag ugggagaugg gcgcgagaaa cuccgucuug  240
169 uc                                                                242
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 229
174 <212> TYPE: RNA
175 <213> ORGANISM: Artificial sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: mutated SIV
180 <400> SEQUENCE: 13
181 agauuggcgc cugaacaggg acuugaagga gagugagaga cuccugagua cggcugagug   60
182 aaggcaguaa gggcggcagg aaccaaccac gacggaggcg ugaggagcgg gagaggaaga  120
183 ggccuccggu ugcagguaag ugcaacacaa aaaagaaau agcugucuuu uauccaggaa  180
184 gggauaauaa gauagagugg gagaugggcg cgagaaacuc cgucuuguc              229
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 209
189 <212> TYPE: RNA
190 <213> ORGANISM: Artificial sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: mutated SIV
195 <400> SEQUENCE: 14
196 agauuggcgc cugaacaggg acuugaagga gagugagaga cuccugagua cggcugagug   60
197 aaggcaguaa gggcggcagg aaccaaccac gacggagugc uccuauaaag gcgcgggucg  120
198 guaccagacg gcgugaggag cgggagagga agaggccucc gguugcaggu aagugcaagu  180
199 gggagauggg cgcgagaaac uccgucuug                                   209
202 <210> SEQ ID NO: 15
203 <211> LENGTH: 233
204 <212> TYPE: RNA
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205 <213> ORGANISM: Artificial sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: mutated SIV
210 <400> SEQUENCE: 15
211 agauuggcgc cugaacaggg acuugaagga gagugagaga cuccugagua cggcugagug   60
212 aaggcaguaa gggcggcagg aaccaaccac gacggagugc uccuauaaag gcgcgggucg   120
213 guaccagacg gcgugaggag cgggagagga agaggccucc gguugcaggu aagugcaaca   180
214 caaaaaaaga aauuagagug ggagaugggc gcgaauggaa acuccgucuu guc   233

VERIFICATION SUMMARY   DATE: 04/08/2005
PATENT APPLICATION: **US/10/009,171A**   TIME: 15:24:29

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number